

CLAIMS

1/ A composite structure such as a patch, disk, or towelette used in particular for treating, making up, or cleaning the skin or the hair, the structure comprising

5 at least one adhesive matrix based on a permanent adhesive and present between two support layers, at least one of which is permeable to a solvent, the two support layers being permanently bonded to the adhesive matrix, the adhesive matrix containing at least one active agent

10 soluble in said solvent and possibly a filler, the nature and the quantity of the active agent(s) and/or the filler being selected to make it possible, when the composite structure is wetted by the solvent, for the active agent(s) to be released and to diffuse towards the

15 surface to be treated.

2/ A composite structure according to claim 1, wherein the adhesive matrix contains one or more active agents soluble in the solvent and/or capable of swelling on

20 coming into contact with said solvent, and in sufficient quantity for the matrix to lose its cohesion on contact with the solvent and to release the active agent(s).

3/ A composite structure according to claim 1, wherein

25 the adhesive matrix contains a filler of one or more compounds capable of swelling on contact with the solvent, in sufficient quantity for the matrix to lose its cohesion on contact with the solvent and to release the active agent(s).

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4/ A composite structure according to claim 1, wherein the adhesive matrix contains a filler of one or more substantially inert compounds in sufficient quantity for the matrix to lose its cohesion on contact with the

35 solvent and to release the active agent(s).

5/ A composite structure according to claim 1, wherein
said solvent is water.

6/ A composite structure according to claim 1, wherein
5 the matrix contains at least one water-soluble active
agent.

7/ A composite structure according to claim 1, wherein
the matrix includes one or more moisture-absorbing
10 compounds.

8/ A composite structure according to claim 1, wherein
the adhesive matrix contains 0.2% to 60% by weight of a
moisture-absorbing compound, and preferably 0.5% to 40%.

15 9/ A composite structure according to claim 1, wherein
the adhesive matrix includes at least one moisture-
absorbing compound selected from the following list:
polyacrylates; silicas; cotton fibers; starches;
20 alginates; calcium carbonates; magnesium; viscose;
cellulose; and freeze-dried substances.

10/ A composite structure according to claim 1, wherein
the adhesive matrix has one or more substantially inert
25 substances such as microbeads or a powder of an inert
compound, in particular the polyamide powder known under
the name ORGASOL.

11/ A composite structure according to claim 1, wherein
30 the active agent(s) is/are selected from the following
list: vitamin C; vitamin A; vitamin F; glycerin;
laponite; wetting agents; collagen; salicylic acid; tio
acid; caffeine; aromatic essential oils; coloring agents;
anti-oxidants; free radical scavengers; moisturizers;
35 depigmenting agents; liporegulators; anti-acne agents;
antidandruff agents; anti-aging agents; softeners;
antiwrinkle agents; keratolitic agents; anti-inflammatory

agents; fresheners; healing agents; vascular protectors; antibacterial agents; antifungal agents; antiperspirants; deodorants; skin conditioners; anesthetics; immunomodulators; and nourishing agents.

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12/ A composite structure according to claim 1, wherein the adhesive matrix includes magnetizable particles.

10 13/ A composite structure according to claim 12, including at least two layers of magnetizable particles capable of generating respective magnetic fields of different polarities.

15 14/ A composite structure according to claim 1, wherein the adhesive matrix is based on a permanent adhesive selected from the following list: adhesive based on vinyl; on PVA or PVP; on pseudo-latex; on acrylic polymers; on polyurethanes; and on latex elastomers.

20 15/ A composite structure according to claim 1, including a support layer constituted by a non-woven cloth.

25 16/ A composite structure according to claim 1, having two outer support layers that are permeable to the solvent.

30 17/ A composite structure according to claim 16, wherein said support layers have different roughnesses, porosities, or thicknesses so as to enable two different types of application to be performed depending on which face is selected by the user.

18/ A composite structure according to claim 1, including an impermeable support layer.

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19/ A composite structure according to claim 1, including two juxtaposed or superposed adhesive matrices of compositions that are identical or different.

5 20/ A composite structure according to claim 19, wherein said adhesive matrices are stuck to each other and include different active agents.

10 21/ A composite structure according to claim 1, comprising a stack of the following layers in this order: a first support layer; a first adhesive matrix containing at least one active agent; a second support layer; and a second adhesive matrix essentially covered by a removable protective film.

15 22/ A composite structure according to claim 1, comprising a stack of the following layers in this order: a first support layer; a first adhesive matrix containing at least one active agent; a second support layer; a second adhesive matrix containing at least one active agent; and a third support layer, the second support layer being impermeable and the first and third support layers being permeable, the first and second adhesive matrices containing different active agents.

25 23/ A composite structure according to claim 1, comprising a stack of the following layers in this order: a first support layer; a first adhesive matrix; a second adhesive matrix; and a second support layer.

30 24/ A composite structure according to claim 21, wherein the first and second adhesive matrices have respective active agents that need to be stored separately.

35 25/ A composite structure according to claim 1, including an adhesive matrix comprising two juxtaposed regions containing different active agents.

26/ A composite structure according to claim 25, further including a second adhesive matrix comprising two juxtaposed regions containing different active agents,
5 optionally constituted by active agents other than those of the first adhesive matrix.

27/ A method of manufacturing a composite structure such as a patch, a disk, or a towelette for cleaning or
10 treatment purposes, the method comprising the following steps:

- coating an adhesive matrix based on a permanent adhesive onto a support layer, said adhesive matrix containing at least one active agent and optionally a
15 filler, the nature and the quantity of the active agent(s) and/or of the filler being selected to enable the active agent(s) to be released when the composite structure is wetted by a solvent; and
- assembling together the support layer coated in
20 this way in the adhesive matrix with a second support layer such that the adhesive matrix is sandwiched between the two support layers which are permanently bonded together by the matrix.

25 28/ A method according to claim 27, wherein the second support layer is coated on one face in a second adhesive matrix.

29/ A method according to claim 28, wherein the two
30 adhesive matrices are stuck together.

30/ A method according to claim 27, wherein a large quantity of support layers coated in adhesive matrices containing predetermined active agents are manufactured
35 separately, and wherein the various support layers coated in this way are assembled together to make up a range of

composite structures presenting different combinations of active agents.

31/ The use of a composite structure as defined in claim 5 1 as a patch applied to the skin for a predetermined length of time.

32/ The use of a composite structure as defined in claim 1, for cleaning the skin.

10 33/ The use of a composite structure as defined in claim 1, for treating the hair.

15 34/ The use of a composite structure as defined in claim 1, the adhesive matrix being used as an active agent reservoir and the composite structure being wetted several times over.

20 35/ A pile of composite structures, comprising at least two composite structures as defined in claim 1, each composite structure having at least one adhesive matrix disposed between two support layers, one of its support layers having an adhesive face in contact with the underlying adhesive structure and having an extension 25 enabling it to be taken hold of by a user.